CLAIMS

I claim:

1. An electromagnetic shielding system for shielding a user's head from electromagnetic waves produced from a cellular phone, the cellular phone having an antenna, and a front and a rear, the front having a plurality of buttons and a display, said system comprising:

an expandable shield assembly including a base panel and an arm panel being pivotally coupled together, said base panel being removably mountable to the antenna of the cellular phone; and

a coupling assembly mounted on the shield assembly for removably mounting on the antenna of the cellular phone, said coupling assembly being adapted to position said expandable shield assembly in a stored position and a shielding position, wherein said stored position is characterized by said expandable shield assembly being positionable generally adjacent to the rear of the cellular phone, wherein said shielding position is characterized by said shield assembly being positionable between a user's head and the antenna of the cellular phone.

2. The electromagnetic shielding system of claim 1, wherein said base panel has a first end, a second end, opposite and generally planar front and rear surfaces, and a peripheral edge surface.

3. The electromagnetic shielding system of claim 2, wherein said arm panel has a first end, a second end, opposite and generally planar front and rear surfaces, and a peripheral edge surface, wherein said peripheral edge surfaces of said base panel

and said arm panel are pivotally coupled together.

4. The electromagnetic shielding system claim of claim 3, wherein said base panel and said arm panel are positionable between a closed position and an open position, wherein said closed position is characterized by said front surfaces of said base and arm panels are abutted against each other, wherein said open position is characterized by said front and rear surfaces of said base and arm panels lying in substantially the same plane.

5. The electromagnetic shielding system of claim 3, wherein said peripheral edge surface of said arm panel has an elongated channel extending into said arm panel; and

a deflector panel being slidably mounted in said elongated channel for providing protection to a user's head, said deflector panel being positionable between said front and rear surfaces of said arm panel.

6. The electromagnetic shielding system of claim 5, wherein said deflector panel has opposite and generally planar front and rear surfaces, and a peripheral edge surface; and

a handle being mounted to said peripheral edge surface of said deflector panel for slidably positioning said deflector panel between a retracted position and an extended position, wherein said retracted position is characterized by said deflector panel being positioned between said front and rear surfaces of said arm panel, wherein said extended position is characterized by a user pulling said handle such that said deflector panel extends out of said elongated channel.

7. The electromagnetic shielding system of claim 1,

wherein said shield assembly comprises a substantially rigid material.

8. The electromagnetic shielding system of claim 1, wherein said coupling assembly includes:

a clamp having an annular portion with a pair of tabs defining an opening, wherein said annular portion is removably mountable about the antenna of the cellular phone, a post portion being mounted to said annular; and

a securing portion for extending between and being coupled to said annular portion and said shield assembly.

9. The electromagnetic shielding system of claim 8, additionally including a fastening means being mounted to and extending through each of said tabs of said annular portions of said coupling assembly for securing said tabs together.

10. The electromagnetic shielding system of claim 9, wherein said fastening means comprises a screw.

11. The electromagnetic shielding system of claim 8, wherein said securing portion has a first end rotatably mounted to said post portion of said clamp for moving said shield assembly between said stored position and said shielding position, said securing portion having a second end being releasably coupled to said shield assembly.

12. The electromagnetic shielding system of claim 11, wherein said securing portion has a second end having an annular ridge formed thereon and extending about said securing portion;

an annular groove extending into and about said securing portion of said coupling assembly.

13. The electromagnetic shielding system of claim 12, additionally including a housing being mounted to said shield assembly for receiving said second end of said securing portion of said coupling assembly, said housing having a first end, an open second end and a peripheral wall extending between said first end and said open second end of said housing.

14. The electromagnetic shielding system of claim 13, wherein said peripheral wall of said housing has a channel extending from said open second end of said housing toward said first end of said housing, wherein said annular ridge of said securing portion is removably secured in said housing through said open second end of said housing, wherein said peripheral wall of said housing is positioned in said annular groove of said securing portion.

15. The electromagnetic shielding system of claim 1, additionally comprising a electromagnetic reflective member being mounted to said shield assembly for shielding a user from electromagnetic waves.

16. The electromagnetic shielding system of claim 1, wherein said electromagnetic reflective member comprises radio frequency reflective tape.

16. An electromagnetic shielding system for shielding a user's head from electromagnetic waves produced from a cellular phone, the cellular phone having an antenna, a front and a rear, the

front having a plurality of buttons and a display, said system comprising:

an expandable shield assembly including a base panel and an arm panel being pivotally coupled together, said base panel being removably mountable to the antenna of the cellular phone; and

said base panel having a first end, a second end, opposed front and rear planar surfaces and a peripheral edge surface;

said arm panel having a first end, a second end, opposed front and rear substantially planar surfaces, and a peripheral edge surface, wherein said peripheral edge surfaces of said base panel and said arm panel being pivotally coupled together;

wherein said base panel and said arm panel are positionable between a closed position and an open position, wherein said closed position is characterized by said front planar surfaces of said base and arm panels being selectively abutted against each other, wherein said open position is characterized by said front and rear planar surfaces of said base and arm panels lying in a plane;

said peripheral edge surface of said arm panel having an elongated channel extending into said arm panel;

a deflector panel being slidably mounted in said elongated channel for providing expanded protection to a user's head, said deflector panel being positionable between said front and rear planar surfaces of said arm panel;

said deflector panel having opposed front and rear planar surfaces and a peripheral edge surface;

an electromagnetic reflecting member being mounted to and covering said front planar surfaces of each of said panels of said shield assembly for reflecting electromagnetic waves emitted by the antenna of the cellular phone;

wherein said electromagnetic reflecting member comprises a

radio frequency reflective tape;

a handle being mounted to said peripheral edge surface of said deflector panel for facilitating gripping of said deflector panel to slide said deflector panel between a retracted position and an extended position, wherein said retracted position is characterized by said deflector panel being positioned between said front and rear panel surfaces of said arm panel, wherein said extended position is characterized by a user pulling said handle such that said deflector panel extends out of said elongated channel;

wherein said shield assembly comprises a substantially rigid material;

a coupling assembly mounted on the shield assembly for removably mounting on the antenna of the cellular phone, said coupling assembly being adapted to position said expandable shield assembly in a stored position and a shielding position, wherein said stored position is characterized by said expandable shield assembly being positionable generally adjacent to the rear of the cellular phone, wherein said shielding position is characterized by said shield assembly being positionable between a user's head and the antenna of the cellular phone;

said coupling assembly including:

a clamp having an annular portion with a pair of tabs defining an opening, wherein said annular portion is removably mountable about the antenna of the cellular phone;

a securing portion for extending between and being coupled to said annular portion and said shield assembly;

said securing portion having a first end rotatably mounted to said annular portion of said coupling member for moving said shield assembly between said stored position and said shielding position and a second end releasably coupled to

said rear planar surface of said shield assembly;

said second end of said securing portion having an annular ridge formed thereon extending about said securing portion such that an annular groove extends about said securing portion adjacent to said annular ridge;

wherein said securing portion has a bend therein for positioning said shield assembly adjacent to the front face of the cellular phone and parallel to the rear of the cellular phone when moving said shield assembly between said shielding position and said stored position;

a fastening means being mounted to and extending through each of said tabs of said annular portion of said coupling assembly for securing said tabs together and fastening said annular portion to the antenna of the cellular phone;

a housing being mounted to said rear planar surface of said base panel for receiving said second end of said securing portion of said coupling assembly, said housing having a first end, an open second end and a peripheral wall extending between said first end and said open second end of said housing; and

said peripheral wall of said housing having a channel extending from said open second end of said housing toward said first end of said housing, wherein said annular ridge of said securing portion of said coupling assembly is removably secured in said housing through said open second end of said housing, wherein said peripheral wall of said housing is positioned in said annular groove of said securing portion.